

82 kVA - 110 kVA

ENGINE

- G-Drive Series heavy duty diesel engine
- 4 cycle, water cooled, turbocharged / turbocharged & air to air charge cooled
- Direct injection
- Mechanic / electronic governor system
- 12 / 24 volt self-starter and charger alternator
- Changeable air, fuel and oil filter
- Tropical type radiator
- Flexible fuel pipe
- Oil discharge valve and extension pipe
- Industrial type silencer, exhaust spiral or compensator
- Maintenance free battery
- Engine jacket water heater (In automatic models)
- Maintenance and operating instructions

ALTERNATOR

- Brushless, single bearing
- H Class insulation type
- IP21-23 Protection class
- Self exciter
- Automatic voltage regulator
- 2/3 Pitch factor windings
- 4 Poles

AUTOMATIC CONTROL PANEL

- LCD display screen
- Hardware and materials needed
- Battery charger
- USB port & RS-485 output

QUALITY STANDARD DIRECTIVES

- 2006/42/EC (Machinery Directive)
- 2014/30/EC (EMC Directive)
- 2014/35/EC (Low Voltage Directive)
- 2000/14/EC (Noise Emission Directive)

CANOPY / CONTAINER

- Modular type sound-proof canopy / container
- Easy installation type without welding canopy
- Epoxy and polyester powder painted canopy
- Canopy designed for easy maintenance
- Lockable doors on both sides of canopy
- Emergency stop button
- Transparent panel inspection window

PROTECTION & ALARMS

- High water temperature
- Low oil pressure
- High & low engine speed
- Low radiator water level
- Over current load
- High & low genset voltage
- Start / stop failure

OPTIONAL EQUIPMENTS

- Charge ampmeter
- Circuit breakers (In automatic models)
- Residential / Critical type silencer
- Sound-proof canopy or container
- Mobile trailer and truck installation
- Synchronization panel for 2-32 gensets
- 3 pole / 4 pole automatic transfer panel (A.T.S.)
- Fuel and oil heater
- Anticondensation heater
- Fuel automation systems
- Different IP and Insulation class alternator
- PMG

INTERNATIONAL QUALITY STANDARD

- EN12601, EN60204, EN12100, EN61000, EN55011
- TS ISO 8528, TS ISO 3744, TS ISO 3746, TS ISO 13857
- EN60034, EN55014, ISO 3046, BS5000, IEC 60034
- VDE 0530, BSE 4999, EN60335, IEC 60335-1:2004



Easy maintenance canopy design



Refilling from the outside of the canopy



Canopy made of galvanized steel



Warning system for decreasing fuel with electronic fuel level sender

| MODEL | | | | N RC XX 0082 | N RC XX 0094 | N RC XX 0110 |
|--------|--|------------------|-----|--------------------|--|--------------------|
| GROUP | GEN-SET POWER | STAND BY | kVA | 82 | 94 | 110 |
| | | | kW | 65,6 | 75 | 88 |
| | | PRIME | kVA | 75 | 85 | 100 |
| | | | kW | 60 | 68 | 80 |
| | CANOPY DIMENSION (W x L x H) mm | | | 1000 x 2880 x 1610 | 1000 x 2880 x 1610 | 1050 x 3180 x 1870 |
| | CANOPY WEIGHT kg | | | 1175 | 1225 | 1510 |
| | OPEN DIMENSION (W x L x H) mm | | | 1000 x 2400 x 1510 | 1000 x 2400 x 1510 | 1050 x 2700 x 1550 |
| | OPEN WEIGHT | | | 955 | 1005 | 1270 |
| ENGINE | BRAND | | | RICARDO | RICARDO | RICARDO |
| | TYPE | | | R4105ZD | 4105IZLD | R6105ZD |
| | POWER | STAND BY | kW | 73 | 85 | 110 |
| | | PRIME | kW | 66 | 78 | 100 |
| | SPEED (rpm) | | | 1500 | 1500 | 1500 |
| | CYCLE | | | 4 | 4 | 4 |
| | DISPLACEMENT (lt) | | | 4,33 | 4,33 | 6,49 |
| | NUMBER OF CYLNDERS | | | 4 IN LINE | 4 IN LINE | 6 IN LINE |
| | BORE x STROKE (mm x mm) | | | 105 x 125 | 105 x 125 | 105 x 125 |
| | COMPRESSION RATIO | | | 17:1 | 17:1 | 17:1 |
| | GOVERNOR TYPE | | | ELECTRONIC | | |
| | INDUCTION | | | TURBOCHARGED | TURBOCHARGED - AIR TO AIR CHARGE COOLED | TURBOCHARGED |
| | COMBUSTION SYSTEM | | | DIRECT INJECTION | | |
| | COOLING SYSTEM | | | WATER | | |
| | FUEL CONSUMPTION lt / h | %100 PRIME POWER | | 17,6 | 20,8 | 23,4 |
| | | %75 PRIME POWER | | 13,02 | 15,8 | 17,32 |
| | | %50 PRIME POWER | | 8,97 | 10,6 | 11,46 |
| | TOTAL LUBRICATION SYSTEM CAPACITY (lt) | | | 16 | 16 | 19 |
| | TOTAL COOLANT CAPACITY (lt) | | | 24 | 26 | 25 |
| | FUEL TANK CAPACITY (lt) | | | 180 | 180 | 280 |

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